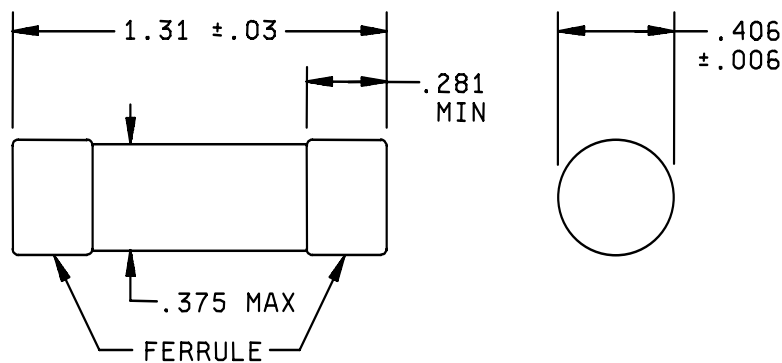


FEDERAL SPECIFICATION SHEET

FUSE, CARTRIDGE, HIGH INTERRUPTING CAPACITY, CLASS G  
(CURRENT-LIMITING) 600 VOLTS, 0-15 AMPERES

The General Services Administration has authorized the use  
of this federal specification sheet by all federal agencies.

The complete requirements for procuring the fuses described herein shall  
consist of this document and the latest issue in effect of W-F-1814.



Inches	mm
.006	.15
.03	.76
.281	7.14
.375	9.53
.406	10.31
1.31	33.27

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Minimum acceptable thickness of ferrule side wall .025 (.64 mm).
4. Unless otherwise specified, tolerances are  $\pm 0.02$  (0.51 mm) for two-place decimals and  $\pm 0.005$  (0.13 mm) for three-place decimals.

FIGURE 1. Configuration and dimensions.

REQUIREMENTS:

Interface and physical dimensions: See figure 1.

Physical: Nonrenewable.

Terminals: Ferrule type.

Material: Brass, copper, or copper alloy.

Strength: 2 pound-inches torque between body and ferrules.

Body:

Insulating material: Fiber, ceramic, melamine-impregnated glass fiber, or other suitable material.

Electrical:

Voltage: 600 volts or less.

Frequency: 48 to 60 hertz.

Current: See table I.

Current carrying capacity: 110 percent indefinitely with temperature rise not to exceed 50°C above ambient on the body and the ferrules.

Overload interrupt:

Instantaneous: Shall interrupt within 1 hour at 135 percent of rated current and within 2 minutes at 200 percent of rated current.

Time delay: In addition to the above requirement, the fuse shall not interrupt 200 percent of rated current within 12 seconds.

Watts loss: Average not to exceed 2.5 watts.

Interrupting capacity rating: 100,000 amperes rms symmetrical at 600 volts, 60 Hz, and power factor of 20 percent or less.

Threshold ratio: 30 maximum.

Peak let-thru current: 3,000 amperes maximum.

Maximum clearing:  $I^2T - 2 \times 10^3$  ampere<sup>2</sup> seconds.

Applicable fuseholders: Class G in accordance with UL 512.

Part or Identifying Number (PIN): See table I.

W-F-1814/1B

TABLE I. Electrical characteristics.

Government PIN	Current rating (amps)	Overload interrupt
WF1814/01-001	1	Instantaneous
WF1814/01-002	3	Instantaneous
WF1814/01-003	6	Time delay
WF1814/01-004	10	Time delay
WF1814/01-005	15	Time delay

MILITARY INTERESTS:

Custodians:

Army - CR  
Navy - YD  
Air Force - 11  
DLA - CC

Review Activities:

Army - AT, CR4  
Navy - OS  
NSA - NS

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA -FSS  
NASA - NA

Preparing activity:  
DLA - CC

(Project 5920-0838)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at [www.dodssp.daps.mil](http://www.dodssp.daps.mil).